EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Phouphanomketh Ditthavong (Registration Number 44,658) and Anita Pellman

Gross (Registration Number 63,325) on 5 December 2011.

The application has been amended as follows: these claims will replace previous

versions.

1. (Currently Amended) A message analyzer for analyzing messages which are

transmitted via at least one service access point from layers of an Open Systems

Interconnection (OSI) reference model of an end system of a subscriber of a mobile

telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in <u>a first sequence of messages,</u>

<u>wherein the first sequence of messages is</u> a sequence of temporally successive

messages; and

a display device for displaying, on a single screen, a first region and a second

region, wherein the <u>first</u> sequence of messages is read in by ~~means of~~ the selector from

the storage device and displayed in the first region,

wherein the selector determines, for the at least one service access point, a first characteristic feature of the messages which are transmitted via the at least one service access point and a course of the first characteristic feature is displayed on the display device in the second region,

wherein <u>the selector reads a second sequence of messages</u> ~~the sequence of messages read in by the selector is~~ dependent upon a selection of a specific point of the course of the first characteristic feature that is selectable in the second region, and

wherein the display device is configured to display a selectable marking produced automatically by the selector in the second region based on a predefined additional item of information stored during <u>storing</u> ~~storage of~~ <u>the</u> messages in the storage device, and

wherein upon selection of the marking, [[a]] <u>the second</u> sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device.

2. (Currently Amended) A message analyzer according to claim 1, wherein[[:]] the selector determines a second characteristic feature for messages which are transmitted via a plurality of service access points of a layer of the OSI reference model, the a course of the second characteristic feature is displayed on the display device in the second region.

3. (Canceled)

4. (Currently Amended) A message analyzer for analyzing messages which are

transmitted via at least one service access point from layers of an Open Systems

Interconnection (OSI) reference model of an end system of a subscriber of a mobile

telephone system, the message analyzer comprising:

a storage device for storing messages;

a selector for reading in <u>a first sequence of messages,</u>

<u>wherein the first sequence of messages is</u> a sequence of temporally successive

messages; and

a display device for displaying, on a single screen, a first region and a second

region,

wherein the <u>first</u> sequence of messages is read in by ~~means of~~ the selector from

the storage device and displayed in the first region,

wherein the selector determines, for the at least one service access point, a first

characteristic feature of the messages which are transmitted via the at least one service

access point and a course of the first characteristic feature is displayed on the display

device in the second region,

wherein <u>the selector reads a second sequence of messages</u> ~~the sequence of~~

~~messages read in by the selector is~~ dependent upon a selection of a specific point of

the course of the first characteristic feature that is selectable in the second region, and

wherein a plurality of specific points are marked by respective markings in the

course displayed in the second region and, upon selection of a marking of the markings,

[[a]] the second sequence of messages which corresponds to the specific point of the

selected marking is read in from the storage device.

5. (Canceled)

6. (Currently Amended) A message analyzer according to claim 1, wherein[[:]] the

course of the first characteristic feature is displayed in the second region in a coordinate

system, wherein the X axis of the coordinate system is a time axis.

7. (Currently Amended) A message analyzer according to claim 6, wherein[[:]] a third

region of the course displayed in the second region which corresponds respectively to

the first sequence of messages currently displayed in the first region, is highlighted.

8. (Currently Amended) A message analyzer according to claim 1, wherein[[:]] the

course of the first characteristic feature is displayed in the second region in a coordinate

system, wherein the X axis of the coordinate system is subdivided into intervals each

having an identical number of messages.

9. (Currently Amended) A message analyzer according to claim 1, wherein[[:]] the first

characteristic feature is a number of transmitted messages per interval of time or a data

load of a layer of the OSI reference model or a number of messages transmitted

repeatedly.

10. (Currently Amended) A method using a computer or a digital signal processor for analyzing messages which are transmitted via at least one service access point from layers of an OSI reference model of an end system of a subscriber of a mobile telephone system and which are stored in a storage device, comprising the steps of:

reading in a <u>first</u> sequence of messages by a selector; ~~and~~

displaying the <u>first</u> sequence of messages which is read in by the selector, in tabular form in a first region of a single screen of a display device,

wherein a first characteristic feature of messages which are transmitted via the at least one service access point is determined by the selector and a course of the first characteristic feature is displayed in a second region of the single screen of the display device[[,]]; ~~further comprising:~~

selecting, in the second region, a specific point of the course of the first characteristic feature; and

reading in, by the selector, a <u>second</u> sequence of messages dependent upon the specific point,

wherein[[:]] during <u>storing</u> ~~storage of~~ the messages in the storage device, a predefined additional item of information is stored, and dependent upon the predefined additional item of information, a selectable marking is produced automatically in the second region by the selector, and upon selection of the marking, dependent upon the specific point marked by the selected marking, ~~a corresponding sequence of messages~~

the second sequence of messages which corresponds to the specific point of the

selected marking is read in by the selector from the storage device.

11. (Previously Presented) A method according to claim 10, further comprising:

determining, by the selector, a second characteristic feature of messages which are

transmitted via a plurality of service access points of a layer of the OSI reference model.

12. (Canceled)

13. (Currently Amended) A method using a computer or a digital signal processor for

analyzing messages which are transmitted via at least one service access point from

layers of an OSI reference model of an end system of a subscriber of a mobile

telephone system and which are stored in a storage device, comprising the steps of:

    reading in a first sequence of messages by a selector; ~~and~~

    displaying the first sequence of messages which is read in by the selector, in

tabular form in a first region of a single screen of a display device,

    wherein a first characteristic feature of messages which are transmitted via the at

least one service access point is determined by the selector and a course of the first

characteristic feature is displayed in a second region of the single screen of the display

device[[,]]; ~~further comprising:~~

    selecting, in the second region, a specific point of the course of the first

characteristic feature; and

reading in, by the selector, a <u>second</u> sequence of messages dependent upon the specific point,

wherein[[:]] in the second region, a plurality of specific points of the course of the first characteristic feature are marked by respective markings, and upon selection of a marking of the markings, dependent upon the specific point marked by the selected marking, ~~a corresponding sequence of messages~~ <u>the second sequence of messages</u> <u>which corresponds to the specific point of the selected marking</u> is read in by the selector from the storage device.

14. (Canceled)

15. (Currently Amended) A method according to claim 10, wherein[[:]] at least one characteristic feature is displayed in the second region in a coordinate system, wherein the X axis of the coordinate system is a time axis.

16. (Currently Amended) A method according to claim 15, wherein[[:]] a third region which corresponds respectively to the <u>first</u> sequence of messages displayed in tabular form in the first region is displayed highlighted in the second region.

17. (Currently Amended) A method according to claim 10, wherein[[:]] the first characteristic feature is displayed in the second region in a coordinate system,

wherein the X axis of the coordinate system is sub-divided into intervals each having an identical number of messages.

18. (Previously Presented) A message analyzer according to claim 1, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

19. (Previously Presented) A message analyzer according to claim 18, wherein the specific event is a change of attenuation.

20. (Previously Presented) A method according to claim 10, wherein the predefined additional item of information is defined as a specific event that occurs during a test run.

21. (Previously Presented) A method according to claim 20, wherein the specific event is a change of attenuation.

2.   The following is an examiner's statement of reasons for allowance:

The primary reason for the allowance of the **Claim 1** is the inclusion of the limitation, "the selector reads a second sequence of messages dependent upon a selection of a specific point of the course of the first characteristic feature that is selectable in the second region, the display device is configured to display a selectable marking produced automatically by the selector in the second region based on a

predefined additional item of information stored during storing the messages in the storage device, upon selection of the marking, the second sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device."

The primary reason for the allowance of the **Claim 4** is the inclusion of the limitation, "the selector reads a second sequence of messages dependent upon a selection of a specific point of the course of the first characteristic feature that is selectable in the second region, a plurality of specific points are marked by respective markings in the course displayed in the second region and, upon selection of a marking of the markings, the second sequence of messages which corresponds to the specific point of the selected marking is read in from the storage device."

The primary reason for the allowance of the **Claim 10** is the inclusion of the limitation, "reading in, by the selector, a second sequence of messages dependent upon the specific point, during storing the messages in the storage device, a predefined additional item of information is stored, and dependent upon the predefined additional item of information, a selectable marking is produced automatically in the second region by the selector, and upon selection of the marking, dependent upon the specific point marked by the selected marking, the second sequence of messages which corresponds to the specific point of the selected marking is read in by the selector from the storage device."

The primary reason for the allowance of the **Claim 13** is the inclusion of the limitation, "reading in, by the selector, a second sequence of messages dependent upon

the specific point, in the second region, a plurality of specific points of the course of the

first characteristic feature are marked by respective markings, and upon selection of a

marking of the markings, dependent upon the specific point marked by the selected

marking, the second sequence of messages which corresponds to the specific point of

the selected marking is read in by the selector from the storage device."

Pruthi (US 2002/0105911) cited on the record discloses "analyzing network traffic

and displaying statistics corresponding to the network traffic in multiple regions on a

single screen" (Fig. 10, 17, 20, paragraph 0034-0036).

Bertram (US 6,144,379) cited on the record discloses "displaying clickable icons

produced automatically by CPU on the line graph of % storage capacity change over a

12 hour periods to how line graph of memory I/O parameter stored in memory and by

clicking the icon, bringing up another line graph for memory I/O parameter in associated

with the % storage capacity at specific time" (Fig. 4, col 4 lines 12-32, col 5 lines 19-24,

col 6 lines 16-50).

Hilliker (US 2002/0100422) cited on the record discloses "test output generated

by network analyzer for test configuration including a plot of attenuation versus

frequency, and a table of values corresponding to the markers on plots" (Fig. 5B,

paragraph 0045).

Ikami (US 2002/0026247) cited on the record discloses "the plotted data

displayed in this second window is assumed to be the data value f7 in the variable Y

denoted by an arrow plotted with respect to the second variable X, a position denoted

by an arrow here can be specified with the pointer means for any value in the variable Y

marked by the user" (Fig. 5, Fig. 6; paragraph 0024), "each time the left button of the mouse is clicked, the display field can be changed sequentially to f2, f3, f4,.., at the fi data value, in such case, the sub-plotted data in the second window can also be changed sequentially to f2, f3, f4, ... in accordance with the change" (Fig. 3, paragraph 0027) and "in the data class stored in the database DB used by the present invention, fi, for example a measured data value, which corresponds to each discrete value of the variable Y, is stored in each field" (Fig.3, paragraph 0021).

However, Pruthi, Hilliker, and Ikami individually and/or as a whole do not teach the claim limitation above.

Claims 2, 6-9, 11, 15-21 depending on claims 1, 4, 10 respectively, therefore, are considered allowable on the basis as the independent claim as well as for the further limitations set forth.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jae Y. Lee whose telephone number is (571) 270-3936. The examiner can normally be reached on Monday through Friday from 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Daniel Ryman can be reached on (571) 272-3152. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jae Y Lee/
Examiner (Temporary Full Signatory Authority),
Art Unit 2466